







# MOQ-03-01



0 300 600 1,200 1,800 2,400 Feet

- Residence
- Watercourse
- 100 ft Buffer
- 300 ft Buffer
- 33 ft Buffer

# MOQ-03-01



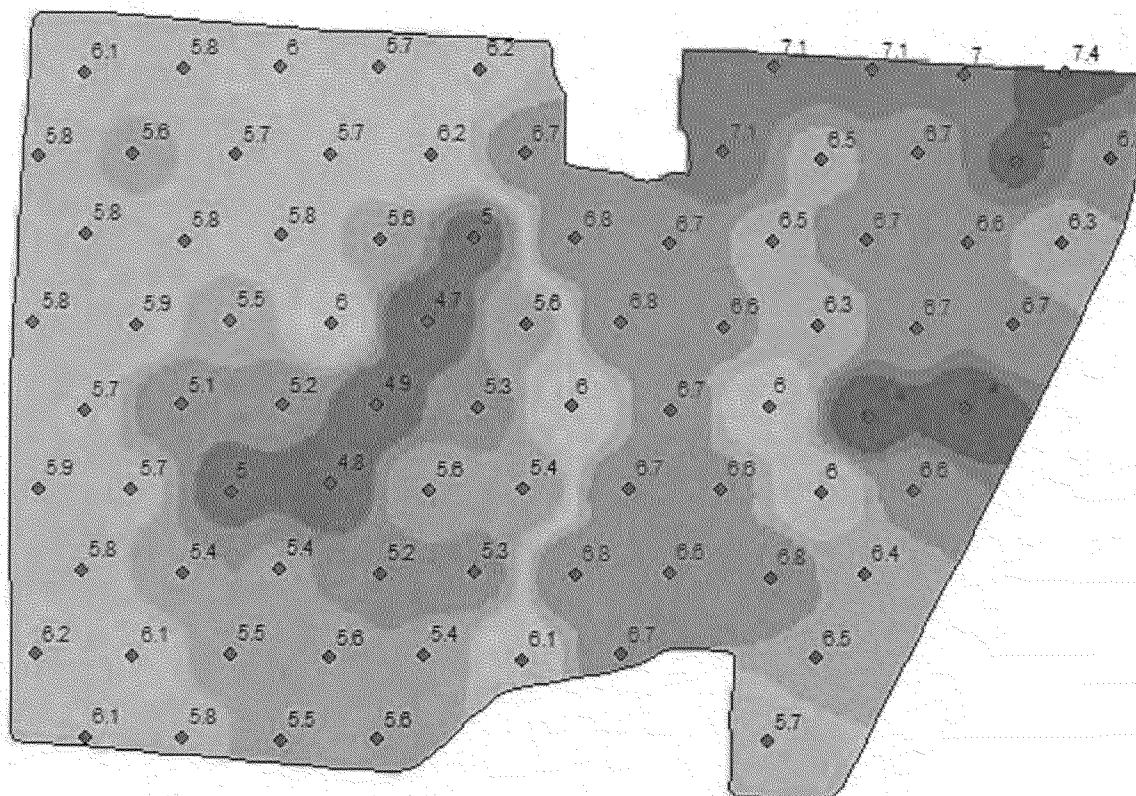
0 300 600 1,200 1,800 2,400 Feet

—— 5ft contours



# Home -

## Soil Test pH (Water, 1:1)



Customer: Etgen Farms

Phone: 740-747-2897

Address: 1673 Co Rd 159  
Ashley, Ohio 43003

Boundary Area: 211.17 (ac)

Min: 4.7 (pH)

Avg: 6.1 (pH)

Max: 7.4 (pH)

Std. Dev: 0.6 (pH)

Sample Depth: 0 (in) - 6 (in)

Start Date: 9/21/2012 1:43:00 PM

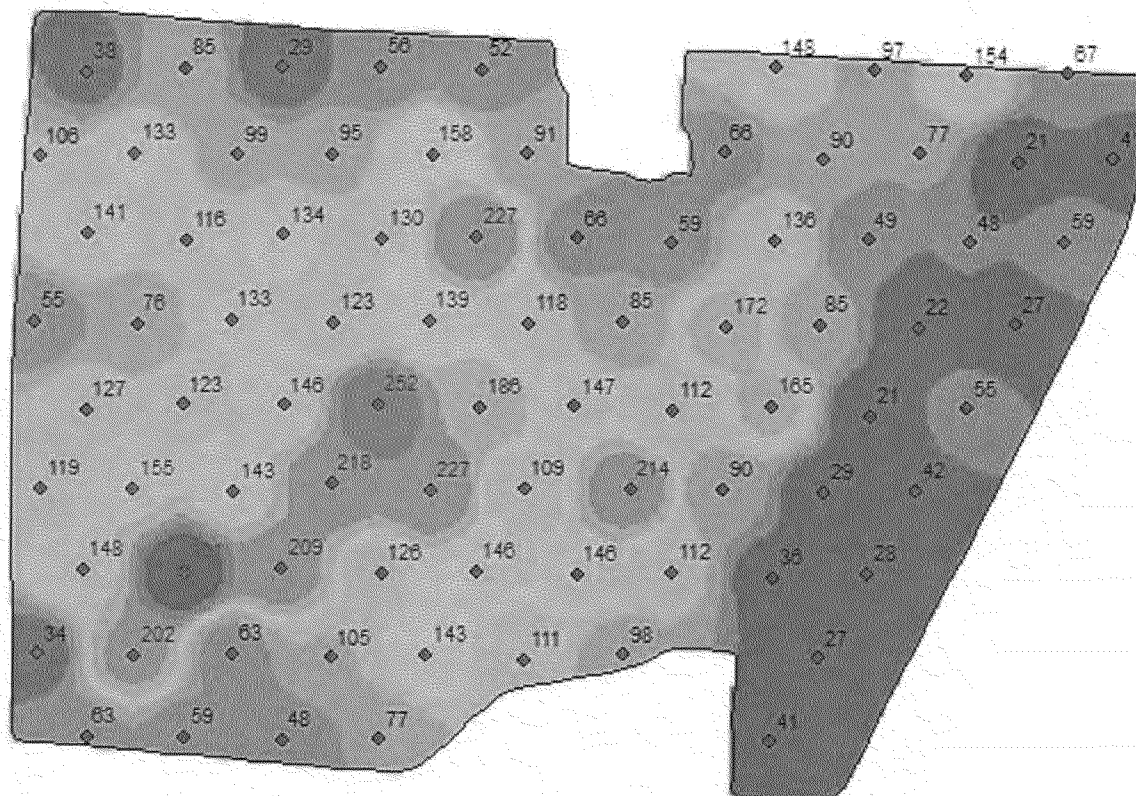
End Date: 9/21/2012 1:43:00 PM

pH	ac	%
4.7 - 5.1	10.13	4.75
5.1 - 5.4	15.12	7.09
5.4 - 5.6	30.05	14.09
5.6 - 5.9	45.39	21.29
5.9 - 6.3	26.20	12.29
6.3 - 6.5	21.34	10.01
6.5 - 6.9	46.19	21.66
6.9 - 7.2	12.25	5.74
7.2 - 7.4	6.57	3.08
◆ pH Water 1:1		
□ Field Boundary		

**OHIGRO** Inc. Ohigro Inc.-Waldo  
740-726-2429

# Home -

## Soil Test Phosphorus (Bray P-1, 1:1)



Customer: Etgen Farms

Phone: 740-747-2897

Address: 1673 Co Rd 159  
Ashley, Ohio 43003

Boundary Area: 211.17 (ac)

Min: 21 (lb/ac)

Avg: 104 (lb/ac)

Max: 301 (lb/ac)

Std. Dev: 55 (lb/ac)

Sample Depth: 0 (in) - 6 (in)

Start Date: 9/21/2012 1:43:00 PM

End Date: 9/21/2012 1:43:00 PM

	lb/ac	ac	%
	21 - 46	38.02	17.83
	46 - 74	35.52	16.66
	74 - 105	35.55	16.67
	105 - 132	40.90	19.18
	132 - 158	35.77	16.78
	158 - 192	11.28	5.29
	192 - 228	12.16	5.70
	228 - 267	2.61	1.22
	267 - 301	1.44	0.68
	P Bray1		
	Field Boundary		

**OHIGRO** Inc. Ohigro Inc.-Waldo  
740-726-2429





United States  
Department of  
Agriculture



NRCS

Natural  
Resources  
Conservation  
Service

A product of the National  
Cooperative Soil Survey,  
a joint effort of the United  
States Department of  
Agriculture and other  
Federal agencies, State  
agencies including the  
Agricultural Experiment  
Stations, and local  
participants

# Custom Soil Resource Report for **Morrow County, Ohio**

MOQ-03-01



March 4, 2014

ED\_014244\_00000769-00007

# Custom Soil Resource Report Soil Map






# Custom Soil Resource Report

## MAP LEGEND


### Area of Interest (AOI)

 Area of Interest (AOI)


### Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points


### Special Point Features

 Blowout

 Borrow Pit


 Clay Spot


 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry


 Miscellaneous Water


 Perennial Water

 Rock Outcrop


 Saline Spot


 Sandy Spot

 Severely Eroded Spot


 Sinkhole


 Slide or Slip


 Sodic Spot


 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features


### Water Features

 Streams and Canals


### Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Morrow County, Ohio  
Survey Area Data: Version 12, Dec 17, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 5, 2011—Mar 10, 2012

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Morrow County, Ohio (OH117)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Blg1A1	Blount silt loam, ground moraine, 0 to 2 percent slopes	41.8	19.4%
Blg1B1	Blount silt loam, ground moraine, 2 to 4 percent slopes	1.6	0.8%
Gwd1B1	Glynwood silt loam, 2 to 6 percent slopes	28.6	13.3%
Gwg5C2	Glynwood clay loam, ground moraine, 6 to 12 percent slopes, eroded	0.8	0.4%
Pm	Pewamo silty clay loam	142.1	66.1%
<b>Totals for Area of Interest</b>		<b>215.0</b>	<b>100.0%</b>

## Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.




Map—Depth to Any Soil Restrictive Layer (MOQ-03-01)

Map Scale: 1:7,500 if printed on A landscape (11" x 8.5") sheet.

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84








## MAP LEGEND

### Area of Interest (AOI)








 Area of Interest (AOI)

### Soils







#### Soil Rating Polygons


-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200
-  Not rated or not available

#### Soil Rating Lines


-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200
-  Not rated or not available

#### Soil Rating Points






-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200

 Not rated or not available


### Water Features

 Streams and Canals

### Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

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Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
Coordinate System: Web Mercator (EPSG:3857)

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Soil Survey Area: Morrow County, Ohio  
Survey Area Data: Version 12, Dec 17, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 5, 2011—Mar 10, 2012

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



**Table—Depth to Any Soil Restrictive Layer (MOQ-03-01)**

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Morrow County, Ohio (OH117)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
Blg1A1	Blount silt loam, ground moraine, 0 to 2 percent slopes	99	41.8	19.4%
Blg1B1	Blount silt loam, ground moraine, 2 to 4 percent slopes	94	1.6	0.8%
Gwd1B1	Glynwood silt loam, 2 to 6 percent slopes	91	28.6	13.3%
Gwg5C2	Glynwood clay loam, ground moraine, 6 to 12 percent slopes, eroded	74	0.8	0.4%
Pm	Pewamo silty clay loam	>200	142.1	66.1%
<b>Totals for Area of Interest</b>			<b>215.0</b>	<b>100.0%</b>

**Rating Options—Depth to Any Soil Restrictive Layer (MOQ-03-01)**

*Units of Measure:* centimeters

*Aggregation Method:* Dominant Component

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Lower

*Interpret Nulls as Zero:* No

**Hydrologic Soil Group (MOQ-03-01)**

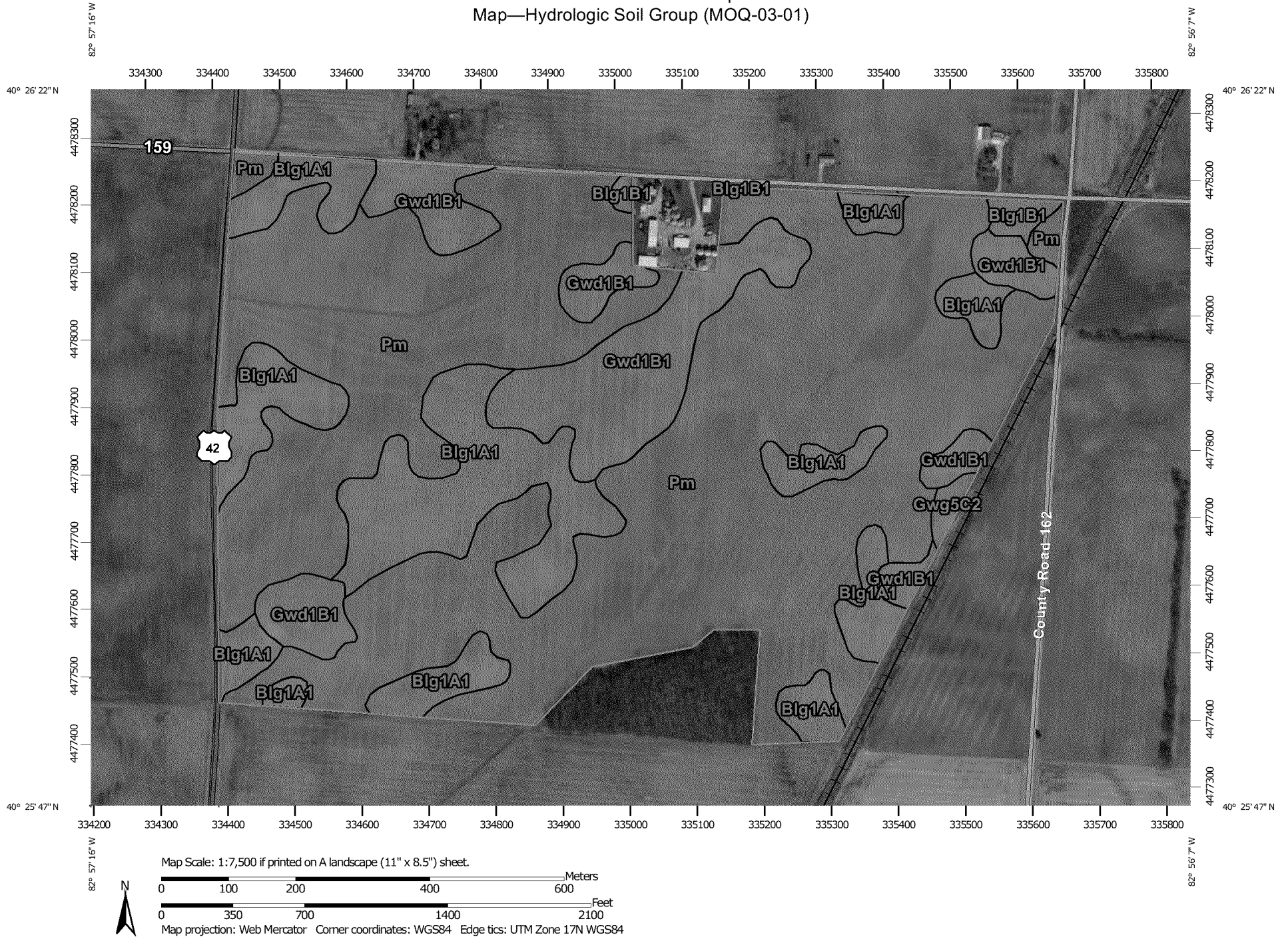
Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.


Custom Soil Resource Report  
Map—Hydrologic Soil Group (MOQ-03-01)













## MAP LEGEND

### Area of Interest (AOI)









 Area of Interest (AOI)

### Soils

#### Soil Rating Polygons





 A  
 A/D  
 B  
 B/D  
 C  
 C/D  
 D  
 Not rated or not available

#### Soil Rating Lines


 A  
 A/D  
 B  
 B/D  
 C  
 C/D  
 D  
 Not rated or not available

#### Soil Rating Points






 A  
 A/D  
 B  
 B/D

 C  
 C/D  
 D  
 Not rated or not available


### Water Features

 Streams and Canals

### Transportation

 Rails  
 Interstate Highways  
 US Routes  
 Major Roads  
 Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

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Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
 Coordinate System: Web Mercator (EPSG:3857)

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 Survey Area Data: Version 12, Dec 17, 2013

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**Table—Hydrologic Soil Group (MOQ-03-01)**

Hydrologic Soil Group— Summary by Map Unit — Morrow County, Ohio (OH117)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Blg1A1	Blount silt loam, ground moraine, 0 to 2 percent slopes	D	41.8	19.4%
Blg1B1	Blount silt loam, ground moraine, 2 to 4 percent slopes	D	1.6	0.8%
Gwd1B1	Glynwood silt loam, 2 to 6 percent slopes	D	28.6	13.3%
Gwg5C2	Glynwood clay loam, ground moraine, 6 to 12 percent slopes, eroded	D	0.8	0.4%
Pm	Pewamo silty clay loam	C/D	142.1	66.1%
<b>Totals for Area of Interest</b>			<b>215.0</b>	<b>100.0%</b>

**Rating Options—Hydrologic Soil Group (MOQ-03-01)***Aggregation Method: Dominant Condition**Component Percent Cutoff: None Specified**Tie-break Rule: Higher*

# MOQ-03-02



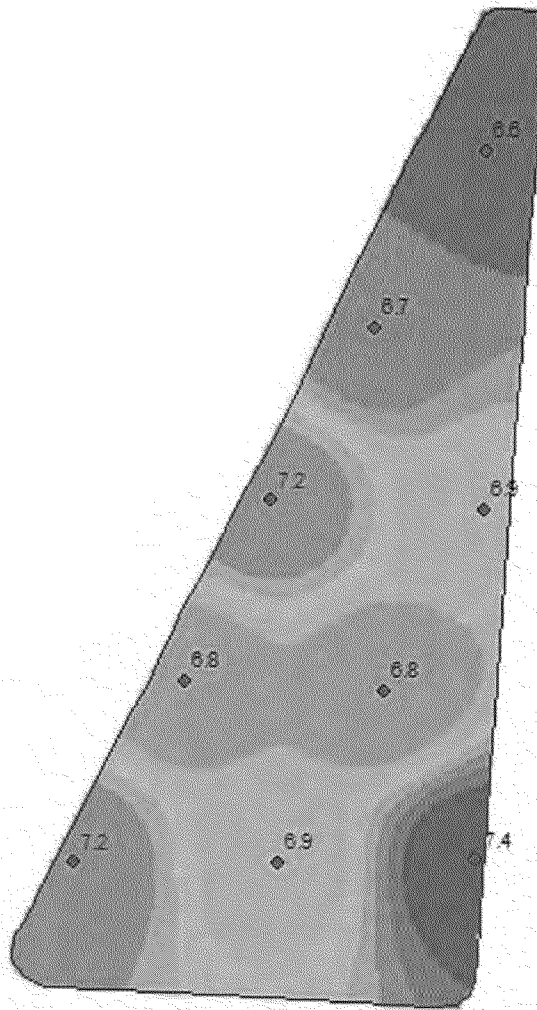
0 150 300 600 900 1,200 Feet

— 5ft contours



# Home -

## Soil Test pH (Water, 1:1)



Customer: Etgen Farms

Phone: 740-747-2897

Address: 1673 Co Rd 159  
Ashley, Ohio 43003

Boundary Area: 18.58 (ac)

Min: 6.6 (pH)

Avg: 6.9 (pH)

Max: 7.4 (pH)

Std. Dev: 0.2 (pH)

Sample Depth: 0 (in) - 6 (in)

Start Date: 8/2/2013 2:26:00 PM

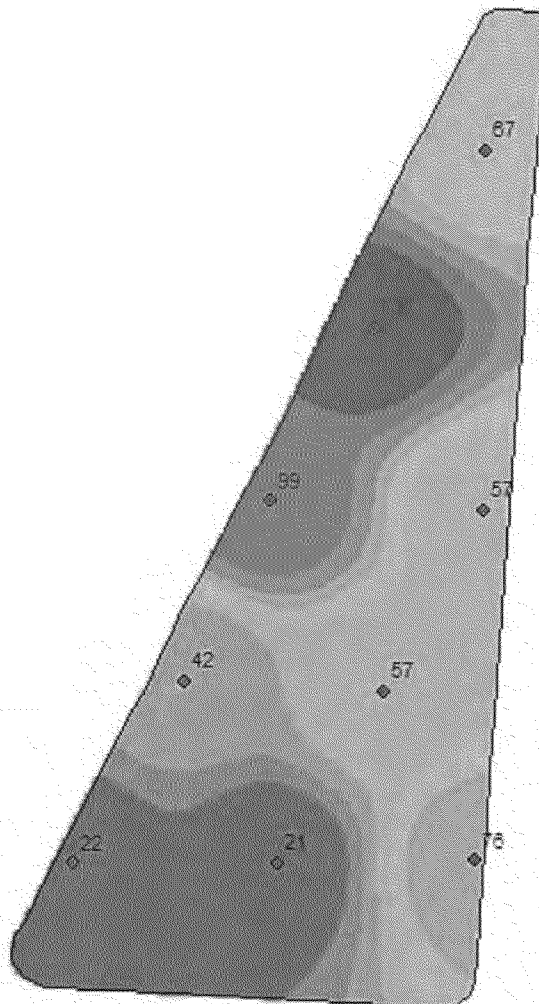
End Date: 8/2/2013 2:26:00 PM

	pH	ac	%
	6.6 - 6.7	1.91	10.11
	6.7 - 6.8	1.88	9.98
	6.8 - 6.9	3.67	19.42
	6.9 - 6.9	4.49	23.76
	6.9 - 7.0	1.61	8.53
	7.0 - 7.1	1.26	6.69
	7.1 - 7.2	2.77	14.67
	7.2 - 7.3	0.44	2.34
	7.3 - 7.4	0.85	4.50
◆	pH Water 1:1		
□	Field Boundary		

**OHIGRO** Inc. Ohigro Inc.-Waldo  
740-726-2429

# Home -

## Soil Test Phosphorus (Bray P-1, 1:1)



**Customer:** Etgen Farms  
**Phone:** 740-747-2897  
**Address:** 1673 Co Rd 159  
 Ashley, Ohio 43003  
**Boundary Area:** 18.58 (ac)  
**Min:** 21 (lb/ac)  
**Avg:** 58 (lb/ac)  
**Max:** 106 (lb/ac)  
**Std. Dev:** 26 (lb/ac)  
**Sample Depth:** 0 (in) - 6 (in)  
**Start Date:** 8/2/2013 2:26:00 PM  
**End Date:** 8/2/2013 2:26:00 PM

	lb/ac	ac	%
	21 - 27	4.11	21.75
	27 - 38	0.87	4.62
	38 - 50	1.83	9.67
	50 - 62	3.95	20.91
	62 - 71	2.65	14.05
	71 - 80	1.58	8.36
	80 - 92	0.92	4.85
	92 - 101	1.71	9.07
	101 - 106	1.27	6.72
	P Bray1		
	Field Boundary		

**OHIGRO** Ohigro Inc.-Waldo  
 Inc. 740-726-2429



United States  
Department of  
Agriculture



NRCS

Natural  
Resources  
Conservation  
Service

A product of the National  
Cooperative Soil Survey,  
a joint effort of the United  
States Department of  
Agriculture and other  
Federal agencies, State  
agencies including the  
Agricultural Experiment  
Stations, and local  
participants

# Custom Soil Resource Report for **Morrow County, Ohio**

**MOQ-03-02**

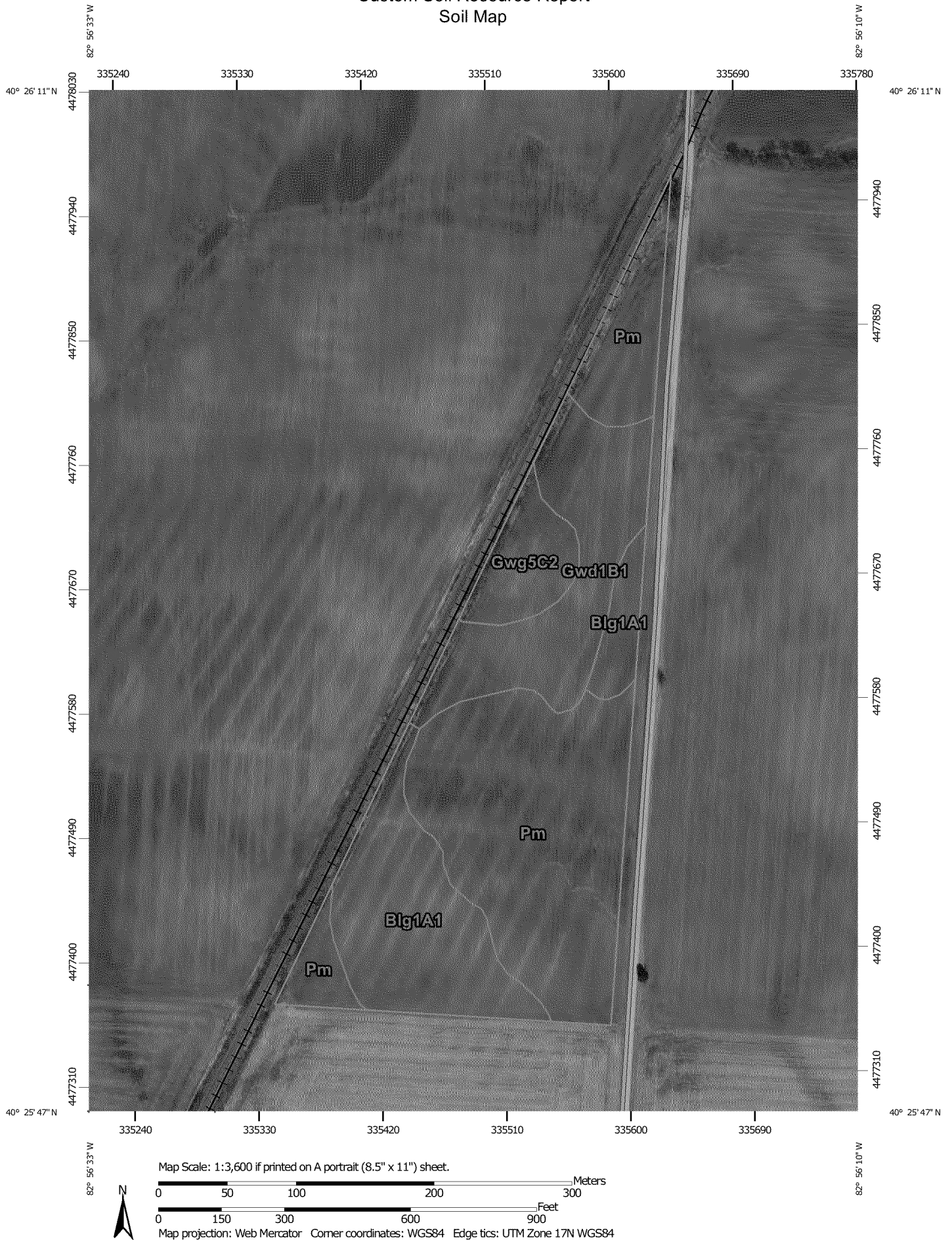


March 4, 2014

ED\_014244\_00000769-00020




# Custom Soil Resource Report Soil Map



# Custom Soil Resource Report


## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)


### Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points


### Special Point Features


 Blowout

 Borrow Pit


 Clay Spot


 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill


 Lava Flow

 Marsh or swamp


 Mine or Quarry


 Miscellaneous Water


 Perennial Water


 Rock Outcrop


 Saline Spot


 Sandy Spot

 Severely Eroded Spot


 Sinkhole


 Slide or Slip

 Sodic Spot


 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other


 Special Line Features


### Water Features


 Streams and Canals


### Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

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Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
Coordinate System: Web Mercator (EPSG:3857)

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


























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Custom Soil Resource Report  
Map—Depth to Any Soil Restrictive Layer (MOQ-03-02)





## MAP LEGEND

<b>Area of Interest (AOI)</b>	 Area of Interest (AOI)	 Not rated or not available
<b>Soils</b>		<b>Water Features</b>
<b>Soil Rating Polygons</b>		 Streams and Canals
 0 - 25		<b>Transportation</b>
 25 - 50		 Rails
 50 - 100		 Interstate Highways
 100 - 150		 US Routes
 150 - 200		 Major Roads
 > 200		 Local Roads
 Not rated or not available		<b>Background</b>
<b>Soil Rating Lines</b>		 Aerial Photography
 0 - 25		
 25 - 50		
 50 - 100		
 100 - 150		
 150 - 200		
 > 200		
 Not rated or not available		
<b>Soil Rating Points</b>		
 0 - 25		
 25 - 50		
 50 - 100		
 100 - 150		
 150 - 200		
 > 200		

## MAP INFORMATION

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**Table—Depth to Any Soil Restrictive Layer (MOQ-03-02)**

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Morrow County, Ohio (OH117)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
Blg1A1	Blount silt loam, ground moraine, 0 to 2 percent slopes	99	4.5	23.8%
Gwd1B1	Glynwood silt loam, 2 to 6 percent slopes	91	3.8	20.2%
Gwg5C2	Glynwood clay loam, ground moraine, 6 to 12 percent slopes, eroded	74	1.3	7.1%
Pm	Pewamo silty clay loam	>200	9.1	48.9%
<b>Totals for Area of Interest</b>			<b>18.7</b>	<b>100.0%</b>

**Rating Options—Depth to Any Soil Restrictive Layer (MOQ-03-02)**

*Units of Measure:* centimeters

*Aggregation Method:* Dominant Component

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Lower

*Interpret Nulls as Zero:* No

**Hydrologic Soil Group (MOQ-03-02)**

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

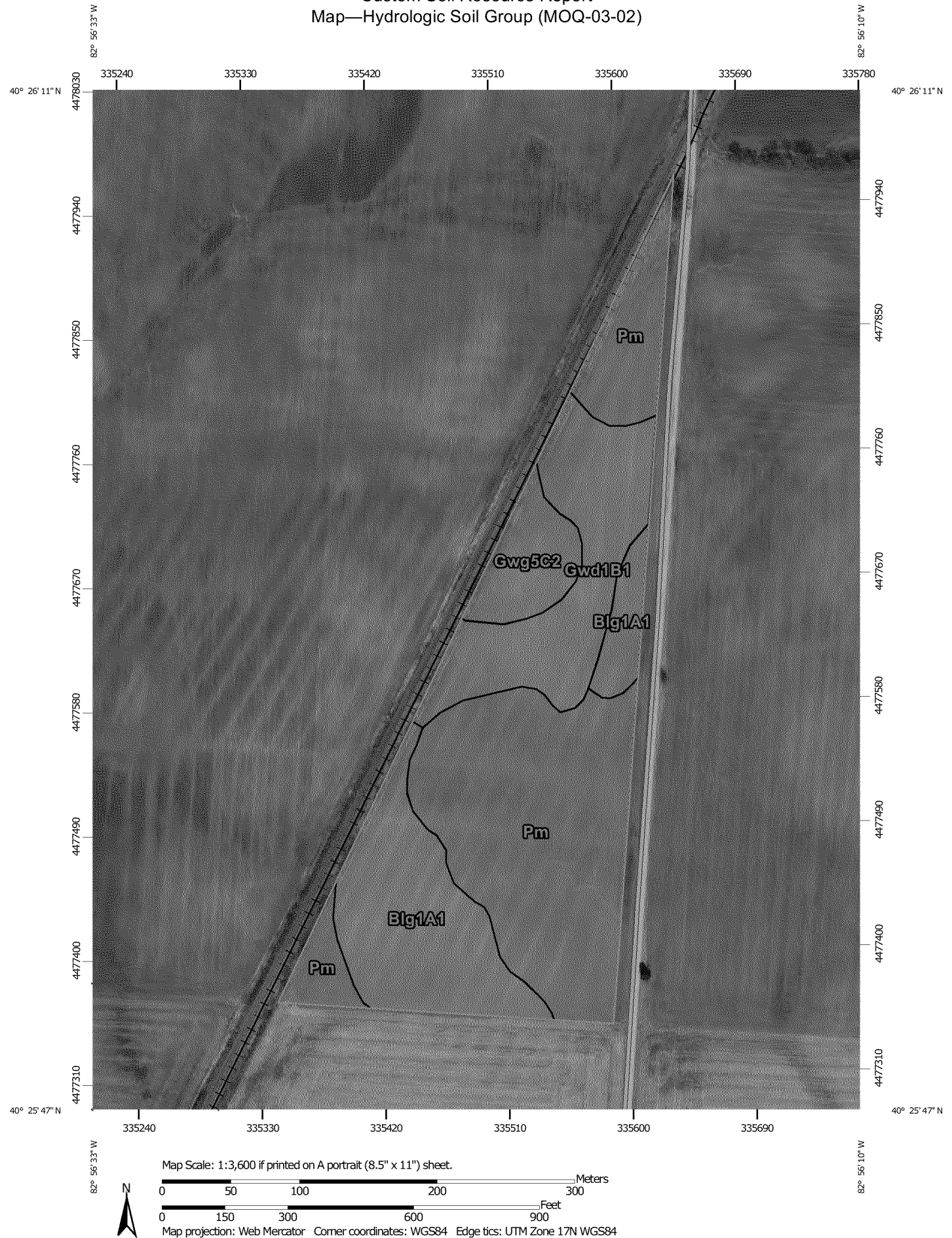
The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils


Custom Soil Resource Report  
Map—Hydrologic Soil Group (MOQ-03-02)













## MAP LEGEND

### Area of Interest (AOI)









 Area of Interest (AOI)

### Soils

#### Soil Rating Polygons





 A  
 A/D  
 B  
 B/D  
 C  
 C/D  
 D  
 Not rated or not available

#### Soil Rating Lines


 A  
 A/D  
 B  
 B/D  
 C  
 C/D  
 D  
 Not rated or not available

#### Soil Rating Points






 A  
 A/D  
 B  
 B/D

 C  
 C/D  
 D  
 Not rated or not available

### Water Features

 Streams and Canals

### Transportation

 Rails  
 Interstate Highways  
 US Routes  
 Major Roads  
 Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Morrow County, Ohio  
 Survey Area Data: Version 12, Dec 17, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 5, 2011—Mar 10, 2012

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

**Table—Hydrologic Soil Group (MOQ-03-02)**




Hydrologic Soil Group— Summary by Map Unit — Morrow County, Ohio (OH117)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Blg1A1	Blount silt loam, ground moraine, 0 to 2 percent slopes	D	4.5	23.8%
Gwd1B1	Glynwood silt loam, 2 to 6 percent slopes	D	3.8	20.2%
Gwg5C2	Glynwood clay loam, ground moraine, 6 to 12 percent slopes, eroded	D	1.3	7.1%
Pm	Pewamo silty clay loam	C/D	9.1	48.9%
<b>Totals for Area of Interest</b>			<b>18.7</b>	<b>100.0%</b>

**Rating Options—Hydrologic Soil Group (MOQ-03-02)***Aggregation Method: Dominant Condition**Component Percent Cutoff: None Specified**Tie-break Rule: Higher*

# MOQ-03-03



0 150 300 600 900 1,200 Feet

- Residence
- Watercourse
-  100 ft Buffer
-  300 ft Buffer
-  33 ft Buffer

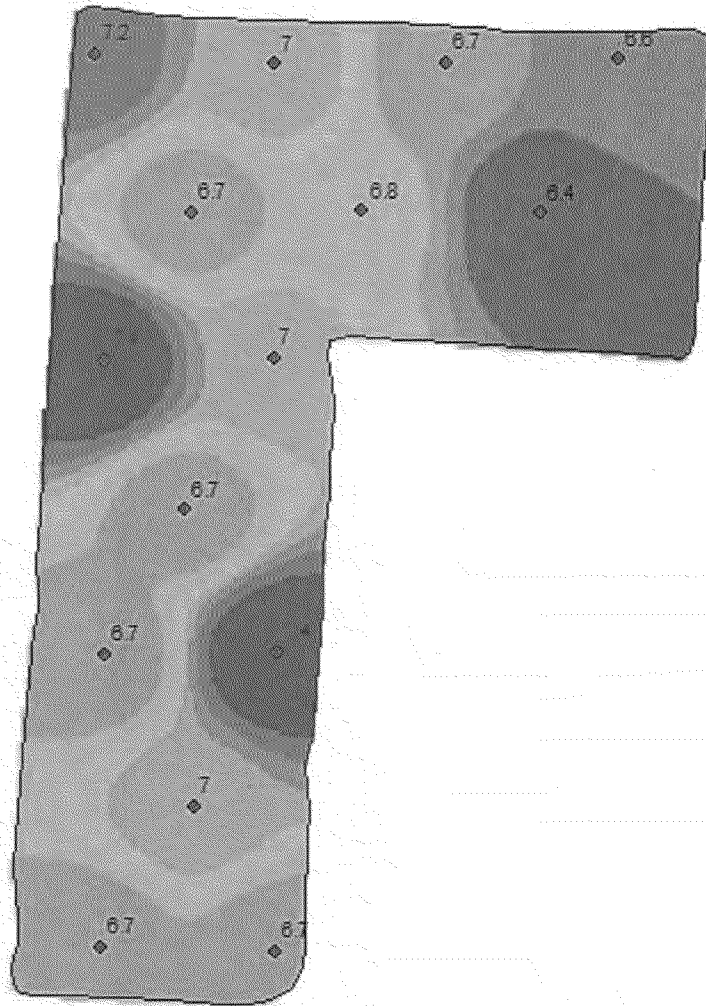


# MOQ-03-03













0 150 300 600 900 1,200 Feet

— 5ft contours



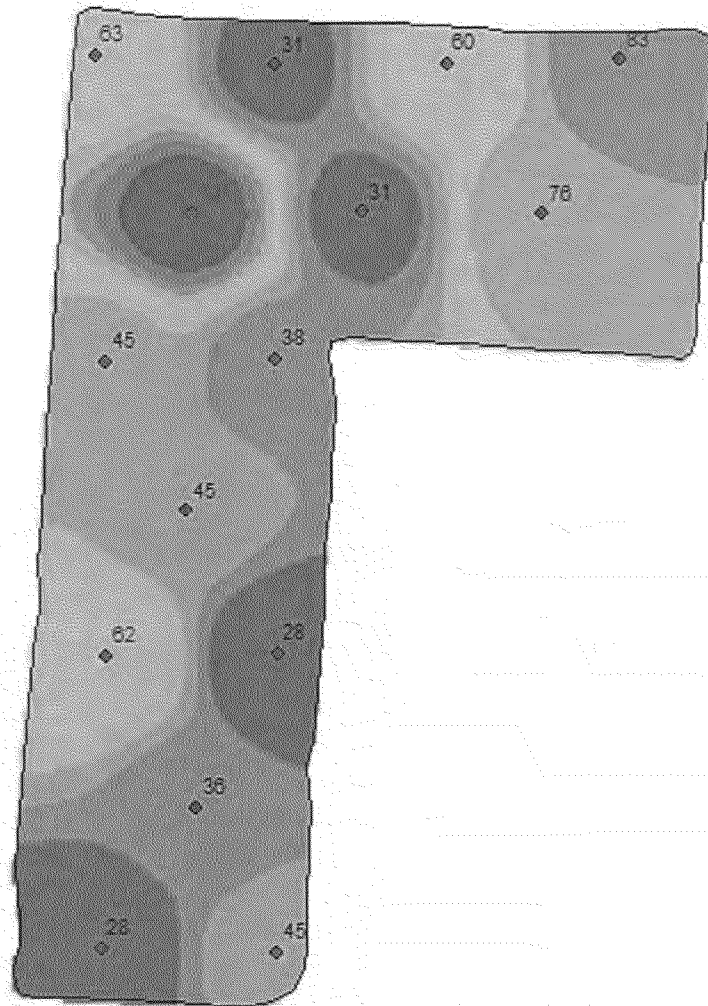
End Date: 8/2/2013 2:26:00 PM

	pH	ac	%
	6.4 - 6.5	4.34	11.14
	6.5 - 6.6	2.91	7.46
	6.6 - 6.8	10.36	26.59
	6.8 - 6.8	5.57	14.29
	6.8 - 6.9	3.07	7.89
	6.9 - 7.0	6.30	16.19
	7.0 - 7.1	1.42	3.65
	7.1 - 7.3	2.04	5.24
	7.3 - 7.4	2.95	7.56

◆ pH Water 1:1  
 Field Boundary

# Home -

## Soil Test Phosphorus (Bray P-1, 1:1)



Customer: Etgen Farms  
 Phone: 740-747-2897  
 Address: 1673 Co Rd 159  
 Ashley, Ohio 43003

Boundary Area: 38.48 (ac)  
 Min: 28 (lb/ac)  
 Avg: 53 (lb/ac)  
 Max: 101 (lb/ac)  
 Std. Dev: 19 (lb/ac)  
 Sample Depth: 0 (in) - 6 (in)  
 Start Date: 8/2/2013 2:26:00 PM  
 End Date: 8/2/2013 2:26:00 PM

	lb/ac	ac	%
	28 - 34	6.33	16.27
	34 - 41	7.64	19.61
	41 - 49	7.87	20.20
	49 - 58	2.35	6.03
	58 - 68	5.24	13.46
	68 - 78	5.20	13.35
	78 - 86	2.56	6.57
	86 - 95	0.63	1.62
	95 - 101	1.12	2.89
◆	P Bray1		
□	Field Boundary		



United States  
Department of  
Agriculture



NRCS

Natural  
Resources  
Conservation  
Service

A product of the National  
Cooperative Soil Survey,  
a joint effort of the United  
States Department of  
Agriculture and other  
Federal agencies, State  
agencies including the  
Agricultural Experiment  
Stations, and local  
participants

# Custom Soil Resource Report for **Morrow County, Ohio**

**MOQ-03-03**



March 4, 2014

ED\_014244\_00000769-00033




# Custom Soil Resource Report Soil Map



# Custom Soil Resource Report


## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)


### Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points


### Special Point Features

 Blowout

 Borrow Pit


 Clay Spot


 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill


 Lava Flow

 Marsh or swamp

 Mine or Quarry


 Miscellaneous Water


 Perennial Water

 Rock Outcrop


 Saline Spot


 Sandy Spot

 Severely Eroded Spot


 Sinkhole


 Slide or Slip

 Sodic Spot


 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other


 Special Line Features


### Water Features


 Streams and Canals


### Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Morrow County, Ohio  
Survey Area Data: Version 12, Dec 17, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 5, 2011—Mar 10, 2012

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Morrow County, Ohio (OH117)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Blg1A1	Blount silt loam, ground moraine, 0 to 2 percent slopes	5.7	13.6%
Blg1B1	Blount silt loam, ground moraine, 2 to 4 percent slopes	4.9	11.5%
Gwd1B1	Glynwood silt loam, 2 to 6 percent slopes	3.4	7.9%
Pm	Pewamo silty clay loam	28.3	67.0%
<b>Totals for Area of Interest</b>		<b>42.2</b>	<b>100.0%</b>

## Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that

# Custom Soil Resource Report


## Map—Depth to Any Soil Restrictive Layer (MOQ-03-03)












## MAP LEGEND

### Area of Interest (AOI)








 Area of Interest (AOI)

### Soils







#### Soil Rating Polygons


-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200
-  Not rated or not available

#### Soil Rating Lines


-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200
-  Not rated or not available

#### Soil Rating Points






-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200

 Not rated or not available


### Water Features

 Streams and Canals

### Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
Coordinate System: Web Mercator (EPSG:3857)

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This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Morrow County, Ohio  
Survey Area Data: Version 12, Dec 17, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 5, 2011—Mar 10, 2012

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

**Table—Depth to Any Soil Restrictive Layer (MOQ-03-03)**

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Morrow County, Ohio (OH117)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
Blg1A1	Blount silt loam, ground moraine, 0 to 2 percent slopes	99	5.7	13.6%
Blg1B1	Blount silt loam, ground moraine, 2 to 4 percent slopes	94	4.9	11.5%
Gwd1B1	Glynwood silt loam, 2 to 6 percent slopes	91	3.4	7.9%
Pm	Pewamo silty clay loam	>200	28.3	67.0%
<b>Totals for Area of Interest</b>			<b>42.2</b>	<b>100.0%</b>

**Rating Options—Depth to Any Soil Restrictive Layer (MOQ-03-03)**

*Units of Measure:* centimeters

*Aggregation Method:* Dominant Component

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Lower

*Interpret Nulls as Zero:* No

**Hydrologic Soil Group (MOQ-03-03)**

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.


Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils

Custom Soil Resource Report  
Map—Hydrologic Soil Group (MOQ-03-03)











## MAP LEGEND

### Area of Interest (AOI)









 Area of Interest (AOI)

### Soils

#### Soil Rating Polygons





 A  
 A/D  
 B  
 B/D  
 C  
 C/D  
 D  
 Not rated or not available

#### Soil Rating Lines


 A  
 A/D  
 B  
 B/D  
 C  
 C/D  
 D  
 Not rated or not available

#### Soil Rating Points






 A  
 A/D  
 B  
 B/D

 C  
 C/D  
 D  
 Not rated or not available

### Water Features

 Streams and Canals

### Transportation

 Rails  
 Interstate Highways  
 US Routes  
 Major Roads  
 Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
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**Table—Hydrologic Soil Group (MOQ-03-03)**

Hydrologic Soil Group— Summary by Map Unit — Morrow County, Ohio (OH117)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Blg1A1	Blount silt loam, ground moraine, 0 to 2 percent slopes	D	5.7	13.6%
Blg1B1	Blount silt loam, ground moraine, 2 to 4 percent slopes	D	4.9	11.5%
Gwd1B1	Glynwood silt loam, 2 to 6 percent slopes	D	3.4	7.9%
Pm	Pewamo silty clay loam	C/D	28.3	67.0%
<b>Totals for Area of Interest</b>			<b>42.2</b>	<b>100.0%</b>

**Rating Options—Hydrologic Soil Group (MOQ-03-03)***Aggregation Method: Dominant Condition**Component Percent Cutoff: None Specified**Tie-break Rule: Higher*



Fulton



MOQ-03-04

61

71

Ohio

229

24

222

Marengo-Norton

© 2013 Google

Marengo





# MOQ-03-04



0 300 600 1,200 1,800 2,400 Feet

- Residence
- Watercourse
- 100 ft Buffer
- 300 ft Buffer
- 33 ft Buffer



# MOQ-03-04

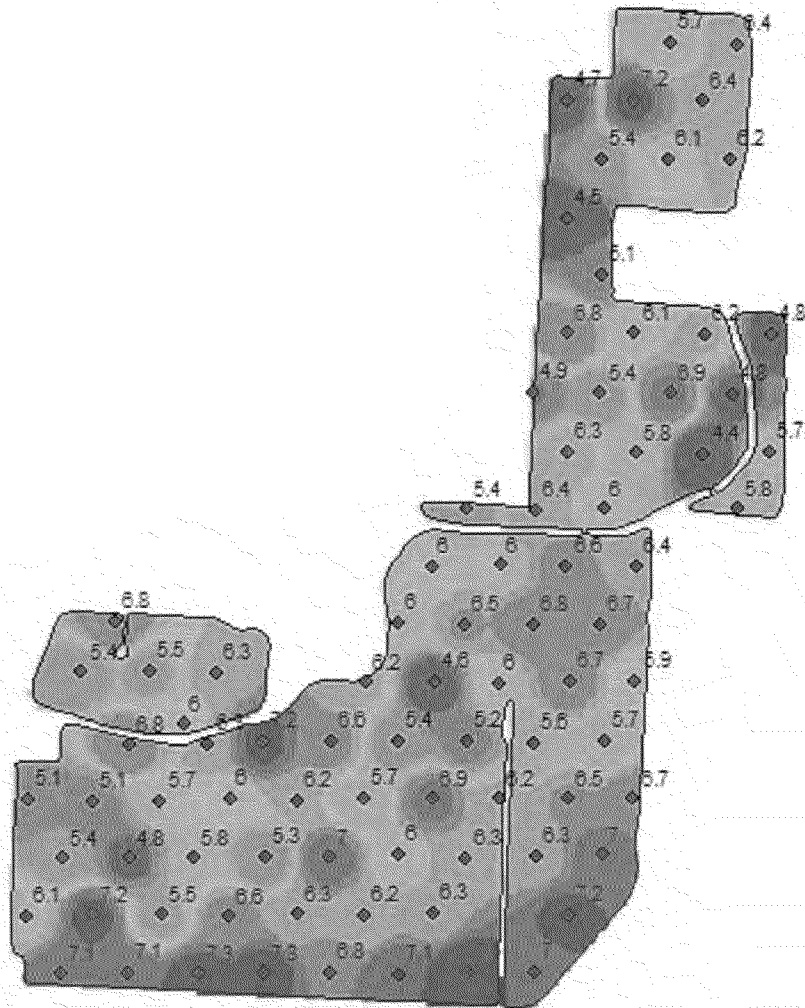


0 300 600 1,200 1,800 2,400 Feet

— 5ft contours

# Coles -

## Soil Test pH (Water, 1:1)



Customer: Etgen Farms  
 Phone: 740-747-2897  
 Address: 1673 Co Rd 159  
 Ashley, Ohio 43003

Boundary Area: 218.07 (ac)

Min: 4.4 (pH)

Avg: 6.1 (pH)

Max: 7.5 (pH)

Std. Dev: 0.7 (pH)

Sample Depth: 0 (in) - 6 (in)

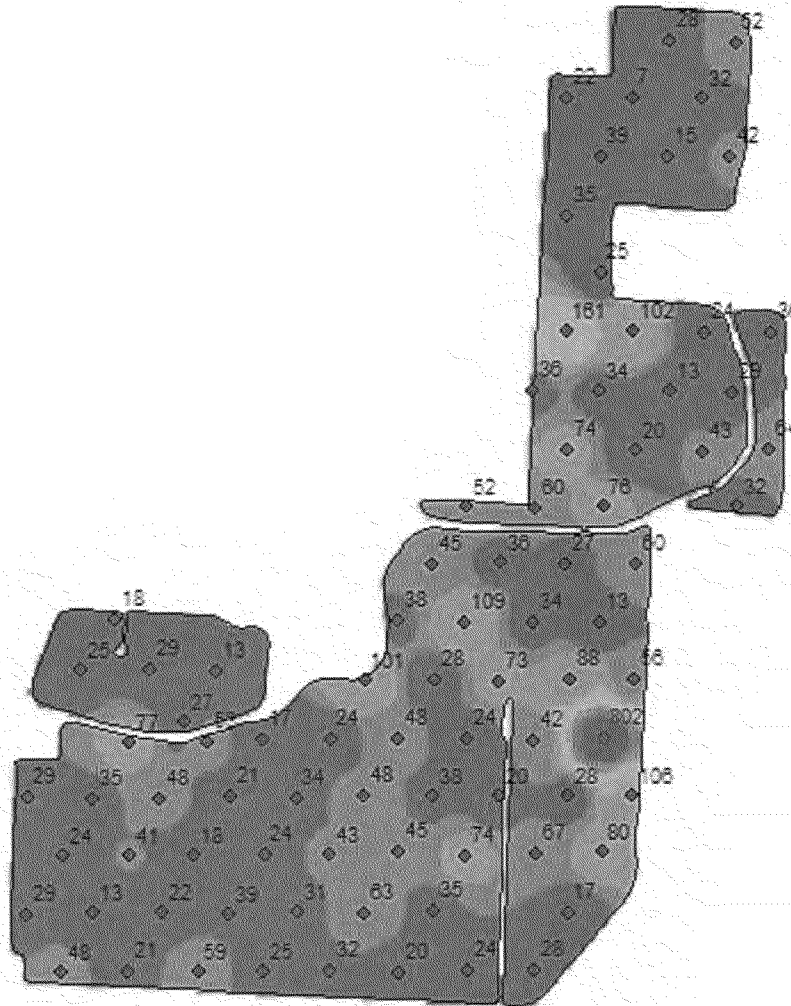
Start Date: 11/9/2011 3:15:00 PM

End Date: 11/9/2011 3:16:00 PM

pH	ac	%
4.4 - 4.9	11.92	5.32
4.9 - 5.3	14.27	6.37
5.3 - 5.6	21.26	9.49
5.6 - 5.9	28.54	12.74
5.9 - 6.2	35.96	16.04
6.2 - 6.5	48.83	21.79
6.5 - 6.8	32.21	14.37
6.8 - 7.1	20.31	9.06
7.1 - 7.5	10.82	4.83
◆ pH Water 1:1		
□ Field Boundary		

# Coles -

## Soil Test Phosphorus (Bray P-1, 1:1)



Customer: Etgen Farms

Phone: 740-747-2897

Address: 1673 Co Rd 159  
Ashley, Ohio 43003

Boundary Area: 218.07 (ac)

Min: 7 (lb/ac)

Avg: 50 (lb/ac)

Max: 802 (lb/ac)

Std. Dev: 75 (lb/ac)

Sample Depth: 0 (in) - 6 (in)

Start Date: 11/9/2011 3:15:00 PM

End Date: 11/9/2011 3:16:00 PM

	lb/ac	ac	%
	7 - 39	136.27	60.80
	39 - 67	58.15	25.95
	67 - 114	22.64	10.10
	114 - 210	3.50	1.56
	210 - 341	0.68	0.30
	341 - 480	0.51	0.23
	480 - 611	0.59	0.26
	611 - 726	0.67	0.30
	726 - 802	1.12	0.50
	P Bray1		
	Field Boundary		



United States  
Department of  
Agriculture



NRCS

Natural  
Resources  
Conservation  
Service

A product of the National  
Cooperative Soil Survey,  
a joint effort of the United  
States Department of  
Agriculture and other  
Federal agencies, State  
agencies including the  
Agricultural Experiment  
Stations, and local  
participants

# Custom Soil Resource Report for **Morrow County, Ohio**



March 4, 2014

ED\_014244\_00000769-00049



## Custom Soil Resource Report


### Soil Map



# Custom Soil Resource Report


## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)


### Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points


### Special Point Features


 Blowout

 Borrow Pit


 Clay Spot


 Closed Depression

 Gravel Pit

 Gravelly Spot


 Landfill


 Lava Flow


 Marsh or swamp


 Mine or Quarry


 Miscellaneous Water


 Perennial Water

 Rock Outcrop


 Saline Spot


 Sandy Spot

 Severely Eroded Spot


 Sinkhole


 Slide or Slip


 Sodic Spot


 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other


 Special Line Features


### Water Features

 Streams and Canals


### Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
Coordinate System: Web Mercator (EPSG:3857)

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This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Morrow County, Ohio  
Survey Area Data: Version 12, Dec 17, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 5, 2011—Mar 10, 2012

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Morrow County, Ohio (OH117)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Blg1A1	Blount silt loam, ground moraine, 0 to 2 percent slopes	79.1	35.2%
Blg1B1	Blount silt loam, ground moraine, 2 to 4 percent slopes	37.0	16.5%
Gwd1B1	Glynwood silt loam, 2 to 6 percent slopes	2.1	1.0%
Pm	Pewamo silty clay loam	106.0	47.3%
<b>Totals for Area of Interest</b>		<b>224.3</b>	<b>100.0%</b>

## Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that


# Custom Soil Resource Report Map—Depth to Any Soil Restrictive Layer (MOQ-03-04)












## MAP LEGEND

### Area of Interest (AOI)








 Area of Interest (AOI)

### Soils







#### Soil Rating Polygons


-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200
-  Not rated or not available

#### Soil Rating Lines


-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200
-  Not rated or not available

#### Soil Rating Points






-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200

 Not rated or not available


### Water Features

 Streams and Canals

### Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
Coordinate System: Web Mercator (EPSG:3857)

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This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Morrow County, Ohio  
Survey Area Data: Version 12, Dec 17, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 5, 2011—Mar 10, 2012

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

**Table—Depth to Any Soil Restrictive Layer (MOQ-03-04)**

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Morrow County, Ohio (OH117)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
Blg1A1	Blount silt loam, ground moraine, 0 to 2 percent slopes	99	79.1	35.2%
Blg1B1	Blount silt loam, ground moraine, 2 to 4 percent slopes	94	37.0	16.5%
Gwd1B1	Glynwood silt loam, 2 to 6 percent slopes	91	2.1	1.0%
Pm	Pewamo silty clay loam	>200	106.0	47.3%
<b>Totals for Area of Interest</b>			<b>224.3</b>	<b>100.0%</b>

**Rating Options—Depth to Any Soil Restrictive Layer (MOQ-03-04)**

*Units of Measure:* centimeters

*Aggregation Method:* Dominant Component

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Lower

*Interpret Nulls as Zero:* No

**Hydrologic Soil Group (MOQ-03-04)**

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.


Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils

Custom Soil Resource Report  
Map—Hydrologic Soil Group (MOQ-03-04)











## MAP LEGEND

### Area of Interest (AOI)









 Area of Interest (AOI)

### Soils

#### Soil Rating Polygons





 A  
 A/D  
 B  
 B/D  
 C  
 C/D  
 D  
 Not rated or not available

#### Soil Rating Lines


 A  
 A/D  
 B  
 B/D  
 C  
 C/D  
 D  
 Not rated or not available

#### Soil Rating Points






 A  
 A/D  
 B  
 B/D

 C  
 C/D  
 D  
 Not rated or not available


### Water Features

 Streams and Canals

### Transportation

 Rails  
 Interstate Highways  
 US Routes  
 Major Roads  
 Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Morrow County, Ohio  
 Survey Area Data: Version 12, Dec 17, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 5, 2011—Mar 10, 2012

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



**Table—Hydrologic Soil Group (MOQ-03-04)**

Hydrologic Soil Group— Summary by Map Unit — Morrow County, Ohio (OH117)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Blg1A1	Blount silt loam, ground moraine, 0 to 2 percent slopes	D	79.1	35.2%
Blg1B1	Blount silt loam, ground moraine, 2 to 4 percent slopes	D	37.0	16.5%
Gwd1B1	Glynwood silt loam, 2 to 6 percent slopes	D	2.1	1.0%
Pm	Pewamo silty clay loam	C/D	106.0	47.3%
<b>Totals for Area of Interest</b>			<b>224.3</b>	<b>100.0%</b>

**Rating Options—Hydrologic Soil Group (MOQ-03-04)***Aggregation Method: Dominant Condition**Component Percent Cutoff: None Specified**Tie-break Rule: Higher*